



SEQUENCE LISTING

<110> Keio University
Nishimoto, Ikuo

<120> HUMANIN, A POLYPEPTIDE SUPPRESSING NEURONAL DEATH

<130> KUV-102DP1PCT-1-US

<140> US 10/088,724

<141> 2002-06-14

<150> WO PCT/JP00/06314

<151> 2000-09-14

<150> JP 11/264679

<151> 1999-09-17

<150> JP 2000/201456

<151> 2000-06-29

<160> 96

<170> PatentIn version 3.1

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<222> (4)..(4)

<223> Xaa is Ser or Ala

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<120> HUMANIN, A POLYPEPTIDE SUPPRESSING NEURONAL DEATH

<130> KUV-102DP1PCT-1-US

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<151> 1999-09-17

<150> JP 2000/201456

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tgcccgtgaa gaggcgggca ggtac 85

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 Asp Leu Pro Val Lys Arg Arg Ala
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 Asp Leu Pro Val Lys Arg Arg Ala
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Asp Lys

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1 5 10 15

Asp Leu Pro Val Lys Arg Arg Ala
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Asp Leu Pro Val Lys Arg Arg Ala
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<213> Artificial Sequence

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Leu Pro Val Lys Arg Arg Ala
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Pro Val Lys Arg Arg Ala
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<210> 14
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Val Lys Arg Arg Ala
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Gly Phe Ser Cys Leu Leu Leu Leu Thr Ser Glu Ile Asp Leu Pro Val
1 5 10 15

Lys Arg Arg Ala
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<210> 16
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<212> PRT
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Phe Ser Cys Leu Leu Leu Leu Thr Ser Glu Ile Asp Leu Pro Val Lys
1 5 10 15

Arg Arg Ala

<210> 17
<211> 18
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<213> Artificial Sequence

<220>
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Ser Cys Leu Leu Leu Leu Thr Ser Glu Ile Asp Leu Pro Val Lys Arg
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Arg Ala

<210> 18
<211> 17
<212> PRT
<213> Artificial Sequence

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Cys Leu Leu Leu Leu Thr Ser Glu Ile Asp Leu Pro Val Lys Arg Arg
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Ala

<210> 19
<211> 16
<212> PRT
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Leu Leu Leu Leu Thr Ser Glu Ile Asp Leu Pro Val Lys Arg Arg Ala
1 5 10 15

<210> 20
<211> 16
<212> PRT
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<223> Artificially synthesized sequence (deltaN2 delta C-6-Humanin)

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Pro Arg Gly Phe Ser Cys Leu Leu Leu Leu Thr Ser Glu Ile Asp Leu
1 5 10 15

<210> 21
<211> 16
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<220>
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Pro Arg Gly Phe Ser Cys Leu Leu Leu Leu Thr Ser Glu Ile Asp Leu
1 5 10 15

Pro Val

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1 5 10 15

Asp Leu Pro Val
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<210> 24
<211> 17
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Pro

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Pro

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<212> PRT
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Pro

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<210> 30
<211> 17
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<213> Artificial Sequence

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1 5 10 15

Pro

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<211> 17
<212> PRT
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1 5 10 15

Pro

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<211> 17
<212> PRT
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Pro

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<211> 17
<212> PRT
<213> Artificial Sequence

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Pro

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Pro

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 1 5 10 15

Pro

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Pro

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Pro

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Pro

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Pro

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Pro

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Ala

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Asp Leu Pro Val Lys Arg Arg Ala
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Asp Leu Pro Val Lys Arg Arg Ala
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Asp Leu Pro Val Lys Arg Arg Ala
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Asp Leu Pro Val Lys Arg Arg Ala
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Asp Leu Pro Val Lys Arg Arg Ala
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Asp Leu Pro Val Lys Arg Arg Ala
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Asp Leu Pro Val Lys Arg Arg Ala
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Asp Leu Pro Val Lys Arg Arg Ala
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Asp Leu Pro Val Lys Arg Arg Ala
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Asp Leu Pro Val Lys Arg Arg Ala
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Asp Leu Pro Val Lys Arg Arg Ala
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1 5 10 15
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1 5 10 15

Asp Leu Pro Val Lys Arg Arg Ala
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1 5 10 15

Asp Leu Pro Val Lys Arg Arg Ala
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<213> Artificial Sequence

<220>
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1 5 10 15

Asp Leu Pro Val Lys Arg Arg Ala
20

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<220>
<223> Artificially synthesized sequence

<400> 58
Met Ala Pro Arg Gly Phe Ser Trp Leu Leu Leu Thr Gly Glu Ile
1 5 10 15

Asp Leu Pro Val Lys Arg Arg Ala
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<213> Artificial Sequence

<220>
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 1 5 10 15
 Asp Leu Pro Val Lys Arg Arg Ala
 20

<210> 60
 <211> 24
 <212> PRT
 <213> Artificial Sequence

<220>
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 1 5 10 15
 Asp Leu Pro Val Lys Arg Arg Ala
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<220>
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 <222> (26)..(26)
 <223> Xaa may be Gly or Ser

<220>
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 <222> (27)..(36)
 <223> Xaa may be any amino acid

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 <222> (28)..(36)
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 <222> (13)..(13)
 <223> Xaa may be Leu or Arg

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 <223> Xaa may be any amino acid

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 <222> (15)..(23)
 <223> Xaa at positions 15-23 may be present or absent.

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 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Xaa Xaa Pro
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<210> 62
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 <213> Artificial Sequence

<220>
 <223> Artificially synthesized sequence

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 <222> (2)..(11)
 <223> Xaa may be any amino acid

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 <222> (3)..(11)
 <223> Xaa at positions 3-11 may be present or absent

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 <222> (12)..(12)
 <223> Xaa may be Cys, Arg, Lys, or His.

<220>
 <221> MISC_FEATURE
 <222> (13)..(13)
 <223> Xaa may be Leu or Arg.

<220>
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 <223> Xaa may be any amino acid

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 <223> Xaa at positions 15-23 may be present or absent

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 <222> (26)..(26)
 <223> Xaa may be Gly or Thr

<220>
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 <222> (27)..(66)
 <223> Xaa may be any amino acid

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 <222> (28)..(66)
 <223> Xaa at positions 28-36 may be present or absent

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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Thr Xaa Xaa Xaa Xaa Xaa Xaa

Xaa Xaa Xaa Xaa Pro
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<220>
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<210> 64
<211> 4
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<220>
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Ala Gly Phe Ser
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Arg Ala Phe Ser
1

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Arg Gly Ala Ser
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Arg Ala Phe Ala
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Arg Ala Ala Ala

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Ala Ala Phe Ala
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Ala Ala Ala Ser
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Ala Ala Ala Ala
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<222> (2)..(2)
<223> Xaa is Ile or Ala

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